

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P220541

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 623.5 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

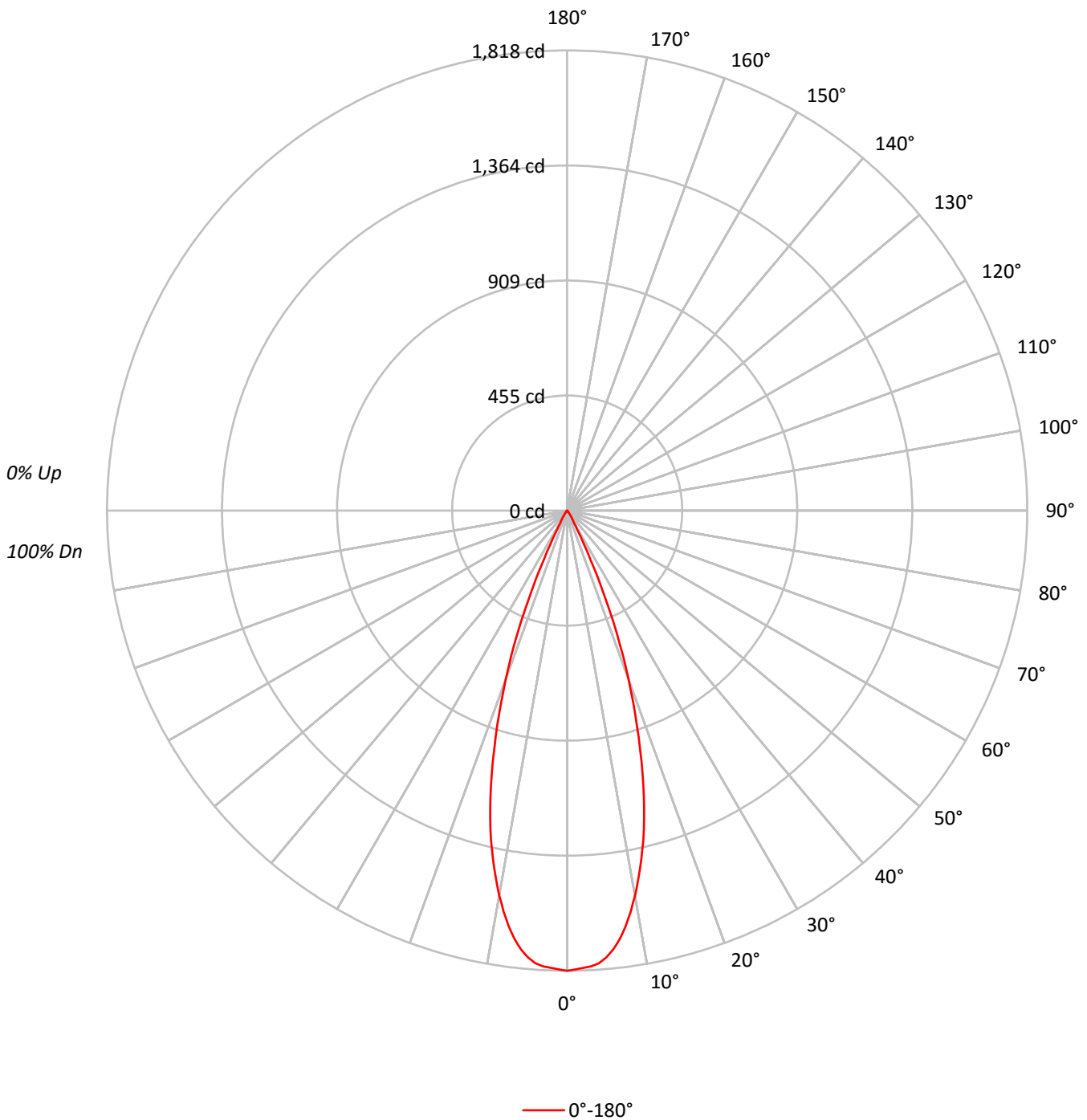
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	112	110	109	107	107	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83	80	78	77
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81	78	76	75
9	88	81	77	74	87	81	77	74	80	76	74		79	76	73		79	76	73	72
10	86	79	74	72	85	78	74	71	78	74	71		77	74	71		76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	398674
5°	390094
10°	343815
15°	265631
20°	164981
25°	61116
30°	12787
35°	4818
40°	1746
45°	1178
50°	1058
55°	879
60°	658
65°	415
70°	256
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.8	26.0
10°-20°	314.0	50.4
20°-30°	127.9	20.5
30°-40°	13.5	2.2
40°-50°	3.1	0.5
50°-60°	2.0	0.3
60°-70°	0.9	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	603.7	96.8
0°-40°	617.2	99.0
0°-60°	622.4	99.8
0°-90°	623.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	623.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1818	
5°	1772	162
15°	1170	314
25°	253	128
35°	18	14
45°	4	3
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1818.1
1°	1813.5
2°	1808.2
3°	1803.2
4°	1793.2
5°	1772.2
6°	1743.5
7°	1706.0
8°	1658.1
9°	1603.8
10°	1544.1
11°	1478.6
12°	1408.9
13°	1336.2
14°	1256.6
15°	1170.1
16°	1082.1
17°	984.5
18°	893.4
19°	798.4
20°	707.0
21°	617.8
22°	523.2
23°	426.8
24°	335.3
25°	252.6
26°	181.0
27°	123.2
28°	81.5
29°	60.5
30°	50.5
32.5°	33.3
35°	18.0
37.5°	10.0
40°	6.1
42.5°	4.6
45°	3.8
47.5°	3.4
50°	3.1
52.5°	2.7
55°	2.3
57.5°	1.9
60°	1.5
62.5°	1.1
65°	0.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)